



Association of American
State Geologists



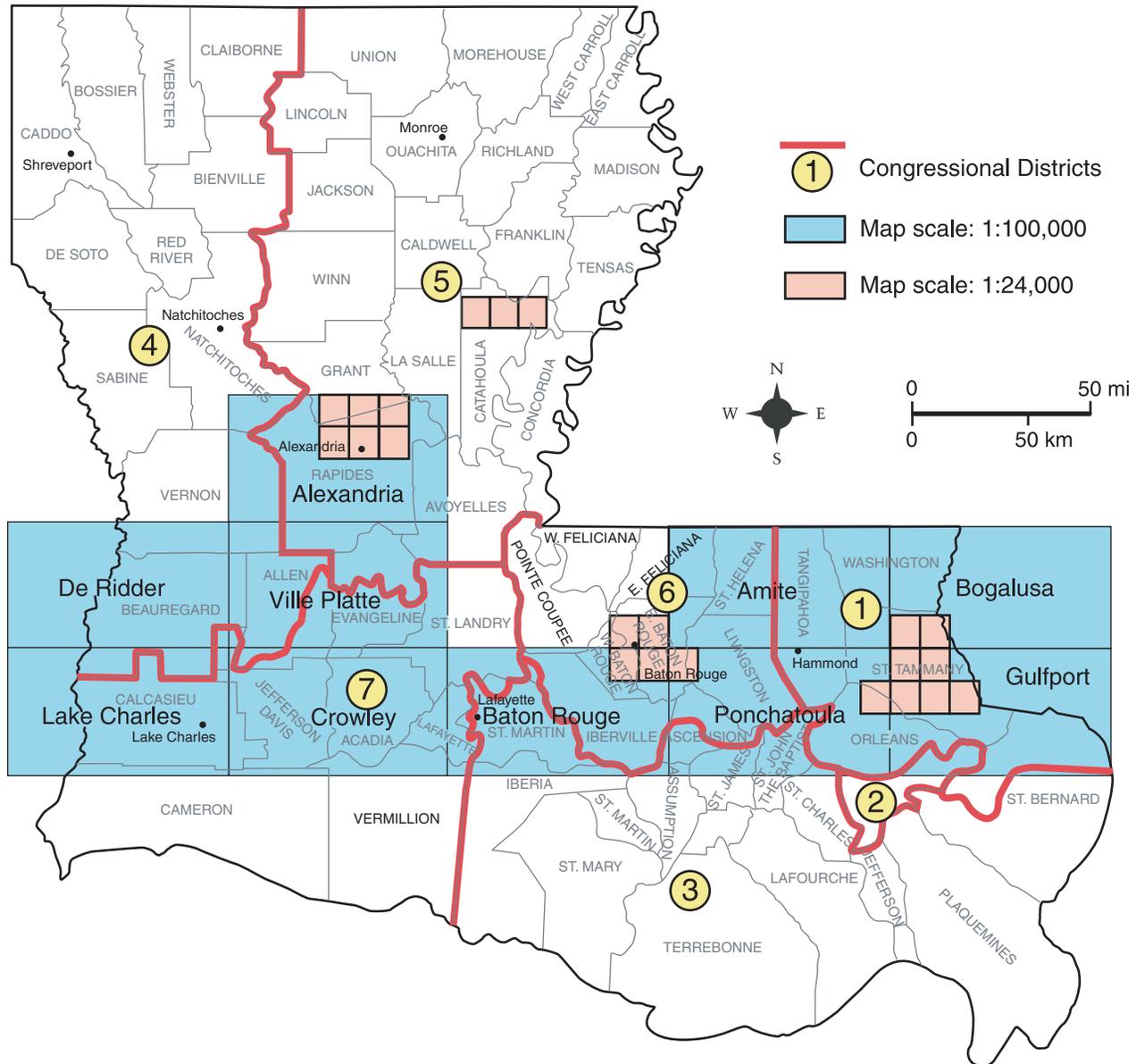
United States
Geological Survey



National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

LOUISIANA



STATEMAP Quadrangles 1993 - Present

For more information contact

Louisiana Geological Survey, Louisiana State University
Director & State Geologist: Chacko J. John, 225/578.8681
STATEMAP Coordinator: Richard P. McCulloh, 225/578.5327

United States Geological Survey Geologic Mapping Program Office
Program Coordinator: Peter T. Lyttle, 703/648.6943
Associate Program Coordinators: Randall C. Orndorff, 703/648.4316
Laurel M. Bybell, 703/648.5281

www.lgs.lsu.edu

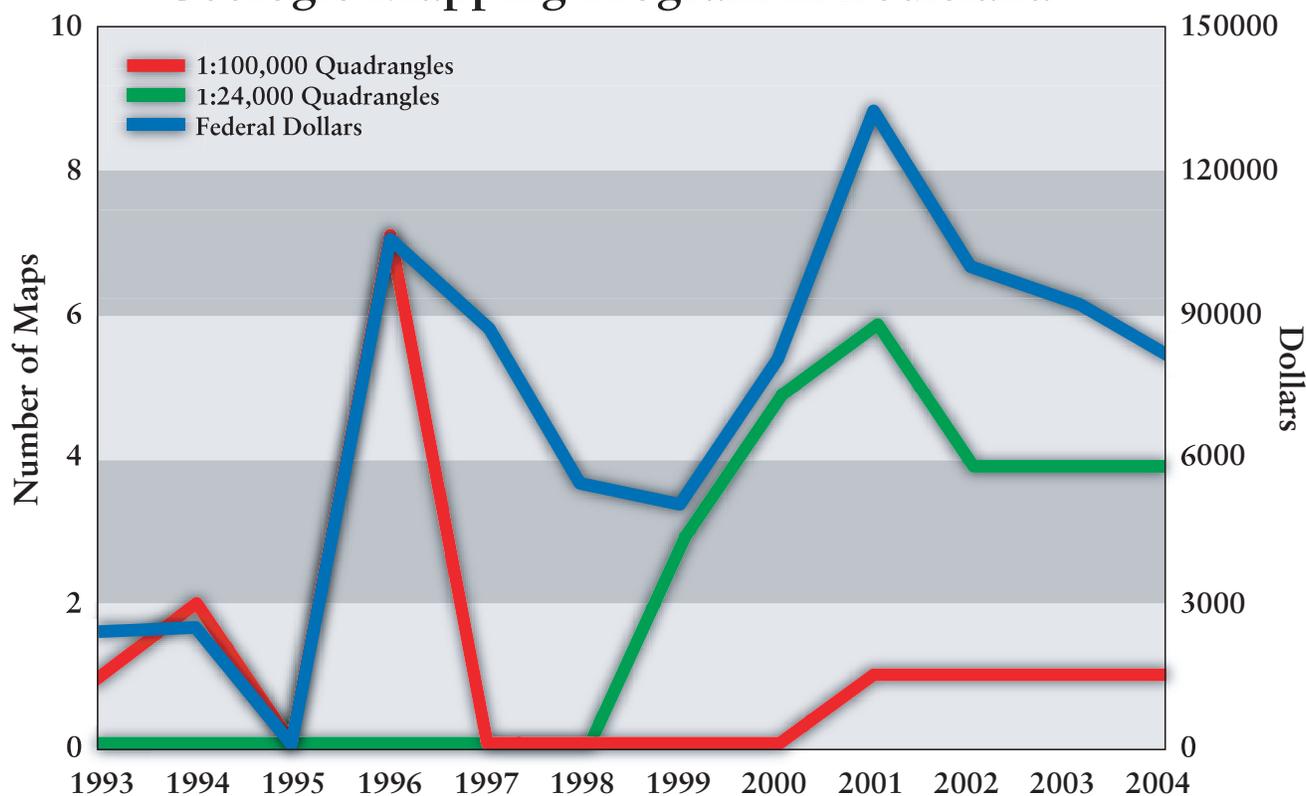
<http://ncgmp.usgs.gov>

National Cooperative Geologic Mapping Program

LOUISIANA

Cooperative agreements between the USGS and LGS under the STATEMAP program have driven the bulk of the geologic mapping conducted in Louisiana since the program's inception. STATEMAP projects have permitted LGS to complete initial compilation of new, intermediate-scale coverage of the state's upland landscapes and alluvial bottoms above the coastal zone, and to follow this with a program of large-scale mapping of selected 7.5-minute quadrangles. The NCGMP-supported geologic mapping in Louisiana has a multitude of uses of importance to many timely issues. The mapping in urbanized and rapidly urbanizing areas provides basic geologic information essential to planners, while that conducted in more rural settings provides basic data essential to ongoing maintenance and preservation efforts in wildlife-management areas and national forests. Up-to-date geologic maps are invaluable in the effort to rationally plan the permitting of activities in the coastal zone in ways that minimize the threat of land loss. They are also essential to the proper siting of waste-treatment facilities relative to the recharge zones of aquifers that are important sources of drinking water. For example, the surface unit corresponding to the outcrop of the uppermost portion of the Chicot aquifer, which is the principal source of ground water for 13 parishes in southwestern Louisiana, historically has been a favored setting for the siting of solid-waste repositories. Detailed mapping of active, but apparently non-earthquake-producing, surface faults of the south Louisiana coastal plain provides a framework for assessment of fault-related damage potential and damage-reduction strategies. There can be little doubt that such basic geologic information will figure prominently in the addressing of additional environmental issues with ever-greater importance in years to come.

Summary of STATEMAP Geologic Mapping Program in Louisiana



Louisiana quadrangles geologically mapped with support of STATEMAP component of National Cooperative Geological Mapping Program (NCGMP).

The graph of LGS geologic mapping activities conducted as part of the NCGMP shows the importance of the program to geologic mapping efforts in Louisiana. To date, LGS has published six of the 1:100,000-scale geologic quadrangles as cartographic products for sale to the public.